

## Fire Behavior Forecast

**Name of Fire:** East Zone Complex  
**Date:** Tuesday, September 19, 2006  
**Forecast Number:** 3  
**Prepared By:** Bruce Giersdorf FBAN  
**Signed:**

**Unit:** Gunflint RD, Superior N.F.  
**Prediction for:** Day Shift  
**Date and Time Issued:** 9/18/06, 1930 hrs.

**Fire Weather:** Low pressure moves out of the fire area today and is replaced by high pressure for the next few days. Low pressure comes back in on Thursday for the weekend. Daytime temps will be in the 50's and overnight lows in the upper 20's. Hard wind blowing on Tuesday.

Today's weather:        Showers until noon then clearing by end of shift. Getting cold overnight.  
                              Temps: upper 50's  
                              RH's    50 – 55%  
                              Winds   northwest 10 – 15 with gusts to 25

Tonight:                Clear, cold, and breezy  
                              Temp: 25 – 30  
                              RH     90 – 100%  
                              Wind:  NW 5 – 10 with some gusts early

Tomorrow:            Partly cloudy skies  
                              Temps: 55  
                              RH:    50  
                              Wind:  W 5 - 10

### Fire Behavior General Forecast:

- 1000 hr fuels will continue to burn actively.
- Probability of ignition 10%.
- Minimal fire activity should be expected.
- Activity should be more likely in the late afternoon.

**The following are predictions for fire spread in unburned fuel tomorrow.**

Fuel Model 10        mixed wood with conifer and light downed wood  
                              Forward ROS    1 - 3 ch/hr.  
                              Flame Lengths  1 - 3 feet.

**Size Projection = 2 acres in 1 hr.**

**Air Operations:** Cloud cover will be hanging in the trees in the morning. Rain could be an issue early and diminish by late morning.

### Safety:

- ✓ Remember LCES!!!!!!
- ✓ Watch the wind and the water!!!!!!!!!!!!!!!!!!!!
- ✓ Plan for the weather!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!